



09/23/03

OLIFF & BERRIDGE, PLC  
P.O. Box 19928  
Alexandria, Virginia 22320  
Telephone: (703) 836-6400  
Facsimile: (703) 836-2787

## NONPROVISIONAL PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: 117267

Date: September 23, 2003

## MAIL STOP PATENT APPLICATION

Customer Number: 25944

NONPROVISIONAL APPLICATION TRANSMITTAL  
RULE §1.53(b)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is the nonprovisional patent application

For (Title): SEMICONDUCTOR DEVICE, METHOD OF MANUFACTURING THE SAME, CIRCUIT  
BOARD, AND ELECTRONIC EQUIPMENT

By (Inventors): Terunao HANAOKA

- ☒ Formal drawings (Figs. 1A-10; 6 sheets) are attached.  
☐ Use Figure \_\_\_\_\_ for front page of Publication.  
☐ A Declaration and Power of Attorney is filed herewith.  
☐ This application claims benefit of Provisional Application No. \_\_\_\_\_ filed \_\_\_\_\_.  
 (A Preliminary Amendment is attached to reflect this claim in the Specification if not already present.)  
☒ This patent application is assigned to SEIKO EPSON CORPORATION.  
☐ The executed Assignment is filed herewith.  
☐ An Information Disclosure Statement is filed herewith.  
☐ Entitlement to small entity status is hereby asserted.  
☐ A Preliminary Amendment is filed herewith.  
☒ Priority of foreign application No. 2002-300263 filed October 15, 2002 in JAPAN is claimed (35 U.S.C. §119).  
☐ A certified copy of the above corresponding foreign application(s) is filed herewith.  
☐ This application is NOT to be published under 35 U.S.C. 112(b). The undersigned attorney or agent hereby certifies that the invention disclosed in this application has not been and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.  
☒ The filing fee is calculated below:

CLAIMS IN THE APPLICATION AFTER ENTRY OF  
ANY PRELIMINARY AMENDMENT NOTED ABOVE

| FOR:   | NO. FILED | NO. EXTRA |
|--|-----------|-----------|
| BASIC FEE  |           |           |
| TOTAL CLAIMS   | 20 - 20   | = 0       |
| INDEP CLAIMS   | 1 - 3     | = 0       |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS PRESENTED |           |           |

\* If the difference is less than zero, enter "0".

## SMALL ENTITY

| RATE    | FEE    |
|---------|--------|
|         | \$ 375 |
| x 9 =   | \$     |
| x 42 =  | \$     |
| + 140 = | \$     |
| TOTAL   | \$     |

OR

OR

OR

OR

OR

OR

OTHER THAN A  
SMALL ENTITY

| RATE  | FEE    |
|-------|--------|
|       | \$ 750 |
| x 18  | \$     |
| x 84  | \$     |
| + 280 | \$     |
| TOTAL | \$ 750 |

- ☒ Check No. 146596 in the amount of \$750 to cover the filing fee is attached. Except as otherwise noted herein, the Commissioner is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.

Respectfully submitted,

*James A. Oliff*  
James A. Oliff  
Registration No. 27,075

Thomas J. Pardini  
Registration No. 30,411

031108 U.S. PTO  
10/667331  
092303